

Title (en)
ARRANGEMENT WITH A CONTACT ELEMENT

Title (de)
ANORDNUNG MIT EINEM KONTAKTELEMENT

Title (fr)
ENSEMBLE COMPRENANT UN ELEMENT DE CONTACT

Publication
EP 1700516 B1 20070801 (DE)

Application
EP 05729084 A 20050326

Priority
• EP 2005003203 W 20050326
• DE 202004005963 U 20040408

Abstract (en)
[origin: US2007232096A1] A circuit board (20) is equipped with at least one conductor path (22) and a contact element (44). The latter is adapted to mechanically engage and electrically contact an electrical conductor (66). In the region of a conductor path (22), the circuit board (20) has passthrough orifices (24, 26, 28, 30, 32). The contact element (44) has a base part (46) and feet (34, 36, 38, 40, 42) which press-fit into the orifices (24 to 32) of the circuit board (20). The contact element (44) has a contact tongue (54) that is resiliently articulated on the base part (46) and clamps the electrical conductor (66). This makes possible a secure connection from the electrical conductor (66) to the circuit board (20), e.g. for connecting a device having a large current demand.

IPC 8 full level
H05K 3/36 (2006.01); **H01R 12/08** (2006.01); **H01R 12/58** (2011.01)

CPC (source: EP US)
H01R 12/58 (2013.01 - EP US)

Cited by
DE102015201314A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2007232096 A1 20071004; US 7500857 B2 20090310; AT E369031 T1 20070815; DE 202005005354 U1 20050602;
DE 502005001140 D1 20070913; EP 1700516 A1 20060913; EP 1700516 B1 20070801; JP 2007533069 A 20071115; JP 4533930 B2 20100901;
WO 2005101933 A1 20051027

DOCDB simple family (application)
US 59962705 A 20050326; AT 05729084 T 20050326; DE 202005005354 U 20050405; DE 502005001140 T 20050326;
EP 05729084 A 20050326; EP 2005003203 W 20050326; JP 2007506686 A 20050326